

## Ideos S7 Motherboard BOM

Vendor	Part Marking / Chip Number	Description
<b>Processor Module – Processor</b>		
Qualcomm	QSD8250 B2Y802.0	Snapdragon ARM SoC
Hynix	H8BESOUUOMCR-4EM	512 MB NAND Flash + SDRAM
TI	SN74AVC32T245	32b voltage converter/bus buffer
Qualcomm	PM7540 AHS1446	Power Management IC
TI	TPS65023	Multiple switching power supply
(3)	various	Various 5-pin (linear volt. Regulators)
<b>Processor Module – 3G Interface</b>		
Qualcomm	RTR6285 A3R149.1	Baseband processor
	RF3161 1010 PO366CW	large BGA near MA550
Avago	ACPM-7381	UMTS-2100 Power Amplifier
Avago	ACPM-7331	UMTS-1800 Power Amplifier
Avago	ACPM-7311	UMTS-800 Power Amplifier
	SPS MA550	3G RF front end ?
	19.20 MHz Crystal Osc	
<b>Motherboard</b>		
Hynix	H26M44001CAR	8 GB eMMC, 4x 16Gb dies, EOL
ST Micro	LIS35DE	3-axis accelerometer
CM ?	FA070534A QF	WLAN module
	8973 0156	8-pin die near back camera
(2)	33uF tantalum	
(7)	large (1206) ceramic	
(2)	larger power inductor	on processor module
(3)	smaller power inductor	on processor module
(3)	2S4 VA30	Diodes
(1)	ZT953	PNP Power transistor (near DC input)
<b>Motherboard, Connectors</b>		
	microSD socket, latching	external SD slot
	SIM card socket	internal SIM slot
	micro USB OTG	USB
	3.5mm phono jack, stereo	Headphone out
	2 mm IDC jack	DC power input
	36-pin rt. angle, shrouded	Docking connector
	10-pin 0.5mm bd/bd	Buttons/sensors on L front side
	40-pin 0.5mm bd/bd	Camera/buttons/leds on R front side
	50-pin flex cable connector	Display connector
(7)	SPST switches, SMT dome	UI buttons